

Title (en)

METHOD OF MANUFACTURING OPTICAL TRANSMISSION MEDIUM FROM SYNTHETIC RESIN

Publication

**EP 0496893 A4 19920923 (EN)**

Application

**EP 91914620 A 19910816**

Priority

- JP 21635990 A 19900816
- JP 9101092 W 19910816

Abstract (en)

[origin: EP0496893A1] A method of manufacturing a multimode optical transmission medium from a synthetic resin having the distribution of refractive index varying continuously in a fixed direction. In the method a monomer is polymerized while a transparent polymer for constituting the wall of a vessel is being resolved into the monomer. Therefore, this method is free from the defect of methods using conventional polymerization reactions, and has an extremely high productivity. <IMAGE>

IPC 1-7

**G02B 6/00**; **G02B 3/00**; **G02B 6/18**

IPC 8 full level

**G02B 1/04** (2006.01); **G02B 3/00** (2006.01); **G02B 6/00** (2006.01); **G02B 6/028** (2006.01); **G02B 6/138** (2006.01)

CPC (source: EP US)

**G02B 1/045** (2013.01 - EP US); **G02B 6/138** (2013.01 - EP US)

Citation (search report)

- [X] EP 0208159 A2 19870114 - MITSUBISHI RAYON CO [JP]
- [YD] GB 1439627 A 19760616 - NIPPON SELFOC CO LTD
- [X] WORLD PATENTS INDEX LATEST Week 9006, Derwent Publications Ltd., London, GB; AN 90-041798 & JP-A-1 319 703 (NIPPON SHEET GLASS K.K.) 26 December 1989
- [X] WORLD PATENTS INDEX LATEST Week 8825, Derwent Publications Ltd., London, GB; AN 88-170286 & JP-A-63 106 705 (HITACHI CABLE K.K.) 11 May 1988
- [X] WORLD PATENTS INDEX LATEST Week 8441, Derwent Publications Ltd., London, GB; AN 84-253116 & JP-A-59 152 406 (NIPPON SHEET GLASS K.K.) 31 August 1984
- [X] JAPANESE PATENTS GAZETTE 24 December 1983 Derwent Publications Ltd., London, GB; & JP-A-58 163 904 (NIHON ITA GLASS K. K.) 28 September 1983
- [X] WORLD PATENTS INDEX LATEST Week 8251, Derwent Publications Ltd., London, GB; AN 82-09989J & JP-A-57 182 702 (NIPPON SHEET GLASS K.K.) 10 November 1982
- [YD] WORLD PATENTS INDEX LATEST Week 8631, Derwent Publications Ltd., London, GB; AN 86-199901 & JP-A-61 130 904 (NIPPON SHEET GLASS K.K.) 18 June 1986
- [Y] WORLD PATENTS INDEX LATEST Week 8547, Derwent Publications Ltd., London, GB; AN 85-292870 & JP-A-60 200 838 (HITACHI K.K.) 11 October 1985
- See references of WO 9203750A1

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Designated contracting state (EPC)

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